This supplement provides additional information about the Astra three door City and SRi models.

This supplement should be kept together with the Owner's Handbook, in the glovebox of your car.

Astra City 3 door
Astra SRi

HOLDEN

www.holden.com.au

© 2001 Holden Ltd. Reproduction of this booklet in whole or part is prohibited without written approval from Holden Ltd.

A.C.N. 006 893 232

Part No. 92107040

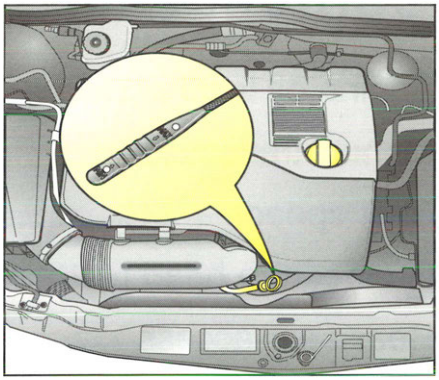
Contents

Engine oil level – SRi 2
Manual transmission 2
Shift speeds – SRi 3
Rear centre head restraint..... 3
Rear seat access 4
Additional front seat adjustments – SRi ... 4
Front electric windows – SRi 5
Steering wheel audio controls – SRi 6
Flat tyre – SRi..... 6
Snow chains – SRi 6
ISOVIN..... 7
Weights 7
Dimensions 8
Maintenance schedule – SRi 8
Extreme operating conditions – SRi 9
Specifications – SRi..... 10
Petrol requirements – RON 10

Engine oil level – SRi

The engine oil dipstick is located at the front of the engine. Oil level should be maintained between the 'Min' and 'Max' markings on the dipstick.

For further information on checking the oil level, refer to page 7-3 of the Astra Handbook.

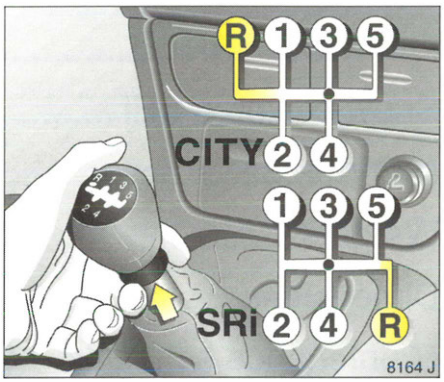


Manual transmission

All 3 door models with manual transmission have 5 forward gears and a reverse gear. The shift pattern is found on the top of the gear shift lever.

On City models, reverse gear is located beside first gear. On SRi models, reverse gear is located beside fourth gear.

Do not exert any pressure towards the left when shifting from fifth to fourth gear.



When selecting fifth gear you must shift the gear lever sideways against light spring pressure in order to pass into the gear.

To select reverse gear, lift the ring beneath the knob on the gear shift lever and move the lever into the reverse position.

If the gear does not engage easily, release and depress the clutch pedal, or try moving to another gear before trying to select reverse gear again.

Shift speeds – SRi

The chart shows the recommended change speeds at which gear changes should be made during normal driving for SRi models.

For change speeds applicable to City models, refer to page 4-6 of your Astra Handbook.

Manual transmission change speeds		
Gear change	Economy	Normal
1st~2nd	15 km/h	20 km/h
2nd~3rd	20 km/h	40 km/h
3rd~4th	30 km/h	60 km/h
4th~5th	40 km/h	80 km/h

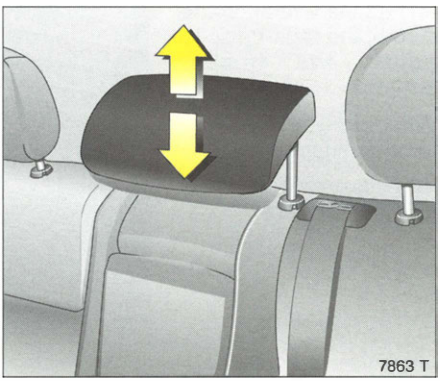
Using shift speeds in the 'Economy' category will assist in maximising fuel economy.

Upshifting at a higher road speed will be necessary according to the prevailing driving conditions such as load, road gradient, during overtaking and when other than light acceleration is required.

Rear centre head restraint

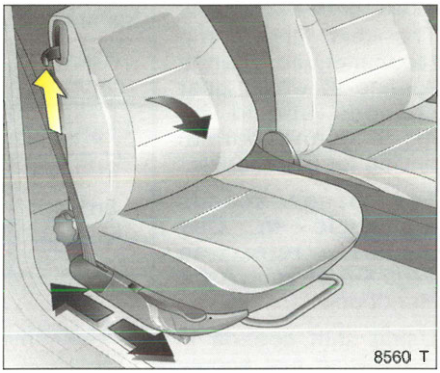
If the rear centre seat is occupied, set the head restraint to the first or second position according to the height of the passenger.

To improve visibility when the rear seat is unoccupied, or to fold down the left-hand rear seat backrest, adjust the head restraint to its lowest position. To do so, release the locking springs at the base of the head restraint stems and push the head restraint down.



For further information on head restraint adjustment, refer to page 3-3 of the Astra Handbook.

Rear seat access



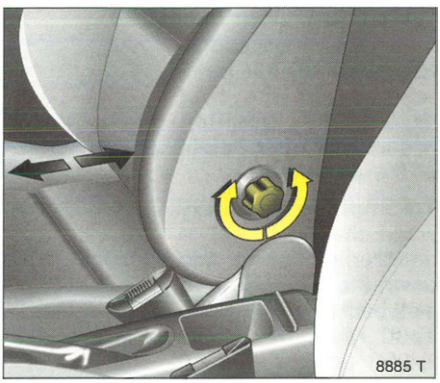
To gain access to the rear seat, a lever is provided at the outer side of each front seat. Pull up the lever; tilt the seat-back forwards and then slide the whole seat forwards.

To reposition the seat, first push the seat backwards, then tilt the seat-back to the upright position.

If the seat-back is raised before sliding the whole seat backwards, the seat will lock into its current position and will require manual re-adjustment. The same applies if the lever on the side of the seat is pushed down during re-positioning.

Additional front seat adjustments – SRi

LUMBAR SUPPORT

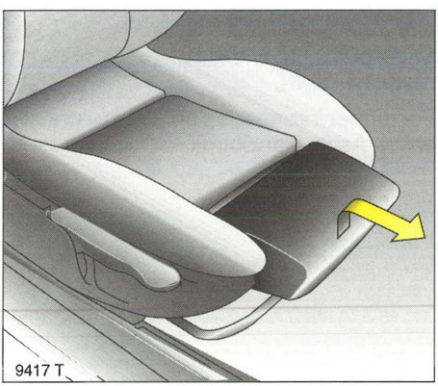


Rotate the wheel on the side of the seat-back to adjust the lumbar setting.

Wheel forwards = more lumbar support.

Wheel backwards = less lumbar support.

THIGH SUPPORT



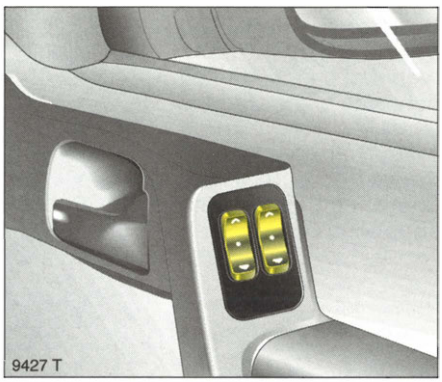
Adjust the thigh support by raising the handle and moving the thigh support pad.

Do not adjust the thigh support whilst driving.

Front electric windows – SRi

To avoid risk to children (through incorrect use of electric windows), the driver should remove the key from the ignition when leaving the car.

The main switches for the windows are located in the driver's door. An individual switch is located on the passenger door. Control indicators in the switches glow when the switches are operational.



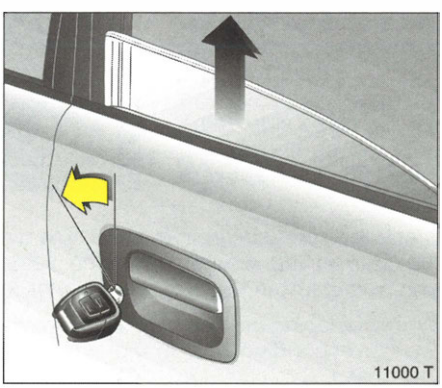
To operate the window in stages, tap the switch. For full closing/opening, keep the switch pressed for slightly longer, then remove your finger. To stop full opening/closing, tap the switch again.

If the window glass encounters resistance above half way during full closing, movement is immediately stopped and the window will open again.

To override this protective system (e.g. if the windows do not move easily due to frost) repeatedly tap the switch for the window until the window has been closed in stages.

CLOSING WINDOWS FROM OUTSIDE:

The two electrically operated windows can be closed from outside the car by holding the key in the door locking position until the windows are fully closed.



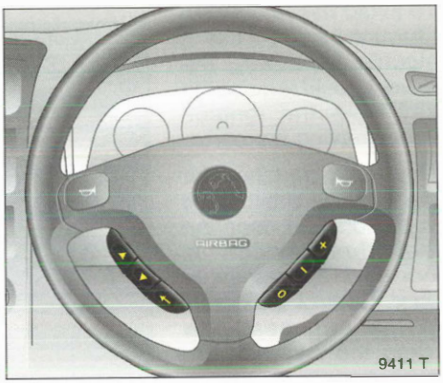
INTERRUPTION OF POWER SUPPLY:

Full opening and closing is disabled after interruption of the power supply (battery/fuse) or low voltage. The windows must be reactivated as follows: close doors, switch ignition on, close window, continue to keep switch pressed for at least 5 seconds. Repeat for each window.

If the system is overloaded, the power supply is automatically cut off for a short time.

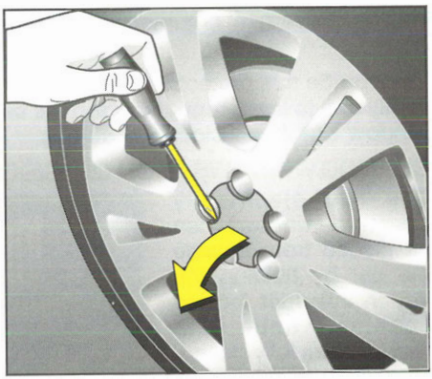
Steering wheel audio controls – SRi

The audio system functions can be operated by buttons mounted on the left and right side of the steering wheel. The audio system is operated as described in the operating instructions supplied.



Flat tyre – SRi

Please read the following instructions in conjunction with flat tyre changing information provided in Chapter 6 of your Astra Handbook.



To prise the hub cap off, use the blade end of the screwdriver provided in the kit. Position the screwdriver at the recess at the side of the hub cap as shown and lever the cap outward slightly.

Place the screwdriver in the bolt hole diagonally opposite and lever the cap off the wheel. Using the same screwdriver, remove the plastic caps from the wheel bolts prior to removing the wheel bolts.

When replacing the hub cap, align the pin on the back of the cap with the corresponding hole in the wheel, and push the hub cap firmly into place.

Snow chains – SRi

CAUTION:

SRi Astras are fitted with 205/50 R16 tyres. Due to lack of clearance, tyre chains may not be used.

ISOVIN

The ISOVIN is explained in Chapter 8 of your Astra Handbook. However, please note that as part of the ISOVIN, your car carries a different code for the body style – F08 – which is applicable to all 3 door models.

Weights

CARRYING CAPACITY

The recommended carrying capacity of your car is 445 kg, which includes 5 occupants and luggage.

If you load your car other than to the above recommendations, then you should ensure that the MAXIMUM REAR AXLE LOAD and the GROSS VEHICLE WEIGHT are not exceeded.

CURB WEIGHT

The curb weights shown below are for an unloaded car with a full tank of fuel:

1130 kg = curb weight for 3 door model

1150 kg = curb weight for SRi model

Add 20 kg if the car is fitted with automatic transmission; add 30 kg if the car is fitted with air conditioning.

(G.V.M.) GROSS VEHICLE MASS (WEIGHT)

The Gross Vehicle Mass is the maximum that a car is allowed to weigh when fully loaded. This must include any luggage, passengers, roof rack load and a full tank of fuel. If you are towing, the weight upon the tow bar ball must also be included. The maximum, allowable weight for your car is:

1675 kg = G.V.M for 3 door and SRi models

MAXIMUM REAR AXLE LOAD

Remember to take the tow bar ball load in to account when determining the rear axle load. The maximum allowable rear axle load remains the same at 820 kg.

ROOF RACK LOADS AND TOWING INFORMATION

Refer to Chapter 10 in your Astra Handbook for detailed and important information in relation to roof rack loads, towing loads and towing safety.

Dimensions

	City	SRi
Overall length	4,110 mm	4,110 mm
Overall width, – including mirrors	1,967 mm	1,967 mm
Overall height, – at curb	1,429 mm	1,429 mm
Track – Front	1,484 mm	1,464 mm
– Rear	1,472 mm	1,452 mm
Wheel base – at curb	2,614 mm	2,614 mm
– at GVM	2,606 mm	2,606 mm

Maintenance schedule – SRi

The engine fitted to the SRi model Astra is of a double overhead camshaft design. These camshafts are driven by a chain located within the engine and not an externally serviceable, toothed rubber belt.

Therefore, references made to the toothed belt and tensioners in the Maintenance Schedule on page 12-6 and on the Service Coupons at 60,000 kms, 120,000 kms and 180,000 kms of your Astra Handbook, do not apply to the SRi model. Accordingly, the service labour times specified for these service intervals as shown on page 12-7, will be 1.7 hours and not 3.3 hours.

- ❑ COOLANT - check level, check coolant %
- ❑ POLLEN FILTER (if fitted) - replace
- ❑ DRIVE BELTS - check
- ❑ ENGINE TOOTHED BELT and TENSIONER ASSEMBLY - replace; IDLER PULLEYS - inspect
- ❑ AIR CLEANER paper element - replace
- ❑ SPARK PLUGS - replace
- ❑ FUEL FILTER - replace
- ❑ ENGINE OIL AND FILTER - replace
- ❑ POWER STEERING - check level
- ❑ AUTO TRANS - check fluid level.
- ❑ LEAKAGE - visual check of engine and trans
- ❑ LIGHTS, MONITORING, SIGNAL EQUIPMENT AND PARK BRAKE ADJUSTMENT - check
- ❑ WINDSCREEN WIPE/WASH system - check fluid level and blade condition
- ❑ DOOR HINGES, DOORSTOP, BONNET LOCK, TAILGATE HINGES - lubricate
- ❑ HEADLIGHT ADJUSTMENT - check
- ❑ BODY/UNDERBODY - check corrosion protection
- ❑ BRAKES - check pad thickness
- ❑ BRAKE PIPES, BRAKE PRESSURE HOSES, FUEL LINES, EXHAUST AND SUSPENSION - visual check
- ❑ RUBBER BOOTS - check
- ❑ WHEELS - check wheel nut torque, tyre condition and tyre pressure
- ❑ REMOTE CONTROL BATTERY - replace
- ❑ BRAKE FLUID LEVEL - check
- ❑ ROAD TEST AND RESET SERVICE DUE LIGHT

- ❑ BRAKE AND CLUTCH FLUID - change every 2 years (regardless of km)

Extreme operating conditions – SRi

If your vehicle operates under any of the extreme conditions listed in the following table it is recommended that some items be serviced more frequently than the intervals specified in the Maintenance Plan as detailed in Chapter 12 of your Astra Handbook.

NOTE: The extra services listed below need only be used if your vehicle operates continuously under the conditions specified.

If you operate under any of these conditions on a one off basis e.g. holiday trip, then an extra service should be for that period only.

As a guide, if you operate continually for a period of one month or 1,000 km under any of the extreme conditions, then this could qualify for additional services.

If at any time it is considered that the service items below or other items should be more frequently serviced due to the type of operation or before a long trip, discuss the situation with the service manager of your Holden Dealer.

Change automatic transmission fluid @ 60,000 km or 4 years (whichever comes first)	A	B	C
Replace engine oil and filter @ 5,000 km or 3 months (whichever comes first)	A		
Air cleaner element – replace @ 30,000 km or 2 years (whichever comes first)			C
Pollen filter – replace @ 15,000 km or 1 year (whichever comes first)			C
Fuel filter – replace @ 30,000 km or 2 years (whichever comes first)			C

A = Stop-start driving, excessive idling or low speed operation as experienced in inner city driving e.g. taxi, police, door to door delivery.

B = Caravan or trailer towing, extended periods with heavy loads, or high speed operation in temperatures above 35°C.

C = Extreme climates, such as high air pollution, air borne sand, dust, high altitude or major fluctuations in temperature.

If an Extreme Operating Conditions service procedure is carried out on your car, ensure that the details are recorded on page 12-5 of your Astra Handbook.

Specifications – SRi

Engine type	Z22SE
Piston displacement	2198 cc
Compression ratio	10.0:1
Bore	86.0 mm
Stroke	94.6 mm
Power	108 kW @ 5,800 rpm (95 RON fuel)
Torque	203 Nm @ 4,000 rpm (95 RON fuel)
Oil specification	ACEA service classification A2 or A3. Viscosity grade 15W-40 or 15W-50.
Refill oil capacity	5 litres approximately (inc. filter)
Power steering fluid type	Hydraulic fluid to Holden specification number HN2305 (Pentosin CHF 11S Hydraulic fluid).
Fuel tank capacity	52 litres
Coolant capacity	6.8 litres approximately
Coolant specification	50% water and 50% Dex-Cool, conforming to GM6277M specification.
Brake fluid type	Heavy duty brake fluid, DOT 4, SAE spec. J1703

Petrol requirements – RON (Research Octane Number)

Use clean, UNLEADED PETROL of at least 91 octane rating. High octane (PREMIUM UNLEADED) can be used and will provide slight improvement in engine power and torque.